



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 2

3226087

Complete if Known

Application Number	10/602,693
Filing Date	June 20, 2003
First Named Inventor	Sommadossi <i>et al.</i>
Group Art Unit	1623
Examiner Name	Travis C. McIntosh, III
Attorney Docket Number	06171.105070 IDX 1006 DIV1 US

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages/Relevant Figures Appear	T ⁶
		Number	Kind Code (if known)				
	AA	6,455,508	B1	Ramasamy <i>et al.</i>	09-24-2002		
	AB	6,495,677	B1	Ramasamy <i>et al.</i>	12-17-2002		
	AC	6,566,344	B1	Gosselin <i>et al.</i>	05-20-2003		
	AD	6,566,365	B1	Storer	05-20-2003		
	AE	6,569,837	B1	Gosselin <i>et al.</i>	05-27-2003		
	AF	6,605,614	B2	Bachand <i>et al.</i>	08-12-2003		
	AG	6,660,721	B2	Devos <i>et al.</i>	12-09-2003		
	AH	6,748,161	B2	Ko <i>et al.</i>	06-08-2004		
	AI	6,777,395	B2	Bhat <i>et al.</i>	08-17-2004		
	AJ	6,784,166	B2	Devos <i>et al.</i>	08-31-2004		
	AK	6,812,219	B2	LaColla <i>et al.</i>	11-02-2004		
	AL	6,815,542	B2	Hong <i>et al.</i>	11-09-2004		
	AM	6,831,069	B2	Tam, <i>et al.</i>	12-14-2005		
	AN	6,908,924	B2	Watanabe, <i>et al.</i>	06-21-2005		
	AO	6,911,424	B2	Schinazi, <i>et al.</i>	06-28-2005		
	AP	6,914,054	B2	LaColla <i>et al.</i>	07-05-2005		
	AQ	2002-0099072	A1	Bachand <i>et al.</i>	07-25-2002		
	AR	2002-0156030	A1	Ramasamy <i>et al.</i>	10-24-2002		
	AS	2003-0008841	A1	Devos <i>et al.</i>	01-09-2003		
	AT	2002-0147160	A1	Bhat, <i>et al.</i>	10-10-2002		
	AU	2003-0220290	A1	Gosselin <i>et al.</i>	11-27-2003		
	AV	2003-0225028	A1	Gosselin <i>et al.</i>	12-04-2003		
	AW	2003-0225037	A1	Storer	12-04-2003		
	AX	2003-0236216	A1	Devos, <i>et al.</i>	12-25-2003		
	AY	2004-0002476	A1	Stuyver, <i>et al.</i>	01-01-2004		
	AZ	2004-0002596	A1	Hong <i>et al.</i>	01-01-2004		
	AAA	2004-0023921	A1	Hong, <i>et al.</i>	02-05-2004		
	AAB	2004-0059104	A1	Cook <i>et al.</i>	03-25-2004		
	AAC	2004-0063622	A1	LaColla <i>et al.</i>	04-01-2004		
	AAD	2004-0063658	A1	Roberts <i>et al.</i>	04-01-2004		
	AAE	2004-0067901	A1	Bhat <i>et al.</i>	04-08-2004		
	AAF	2004-0072788	A1	Bhat <i>et al.</i>	04-15-2004		

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Group Art Unit	1623
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Attorney Docket Number	06171.105070 IDX 1006 DIV 1 US

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		Number	Kind Code (if known)				
	BA	2004-0097461	A1	Sommadossi <i>et al.</i>	05-20-2004		
	BB	2004-0097462	A1	LaColla <i>et al.</i>	05-20-2004		
	BC	2004-0101535	A1	Sommadossi <i>et al.</i>	05-27-2004		
	BD	2004-0102414	A1	Sommadossi <i>et al.</i>	05-27-2004		
	BE	2004-0110717	A1	Carroll, <i>et al.</i>	06-10-2004		
	BF	2004-0110718	A1	Devos <i>et al.</i>	06-10-2004		
	BG	2004-0147464	A1	Roberts, <i>et al.</i>	07-29-2004		
	BH	2004-0248844	A1	Ismaili <i>et al.</i>	12-09-2004		
	BI	2005-0009737	A1	Clark, <i>et al.</i>	01-13-2005		
	BJ	2005-0090463	A1	Roberts, <i>et al.</i>	04-28-2005		
	BK	2005-0101550	A1	Roberts, <i>et al.</i>	05-12-2005		
	BL	2005-0107312	A1	Keicher, <i>et al.</i>	05-19-2005		
	BM	2005-0119200	A1	Roberts, <i>et al.</i>	06-02-2005		
	BN	2005-0124532	A1	Sommadossi <i>et al.</i>	06-09-2005		
	BO	2005-0137161	A1	Sommadossi <i>et al.</i>	06-23-2005		

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		Office ³	Number	Kind Code ² (if known)				
	BP	FR	2,662,165	A1	Univ. Pier et Curie	11-22-1991	provided as Derwent Abstract	
	BQ	JP	63-215694	A2	Yamasa Shoyu Co. Ltd.	09-08-1988	provided as Delphion Abstract	
	BR	JP	06-228186	A2	Yamasa Shoyu Co. Ltd.	08-16-1994	provided as Delphion Abstract	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁴

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				Application Number	10/602,693
				Filing Date	June 20, 2003
				First Named Inventor	Sommadossi <i>et al.</i>
				Group Art Unit	1614
				Examiner Name	Unassigned
Sheet	1	of	6	Attorney Docket Number	06171.105070 IDX 1006 DIV

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U.S. PATENT DOCUMENTS						
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		Number	Kind Code (if known)			
2	AA	3,480,613	A	Walton <i>et al.</i>	11-25-1969	
	AB	5,977,061	A	De Clercq	11-02-1999	
	AC	6,340,690	B1	Bachand <i>et al.</i>	01-22-2002	
	AD	6,348,587	B1	Schinazi <i>et al.</i>	02-2002	
	AE	6,395,716	B1	Gosselin <i>et al.</i> (Novirio / Idenix)	05-28-2002	
	AF	6,444,652	B1	Gosselin <i>et al.</i> (Novirio / Idenix)	09-03-2002	
	AG	6,573,248	B1	Ramasamy <i>et al.</i>	06-03-2003	
	AH	2002/0019363	A1	Ismaili <i>et al.</i>	02-2002	
	AI	2002/0055483	A1	Watanabe <i>et al.</i>	05-09-2002	
	AJ	2002/0147160	A1	Bhat <i>et al.</i>	10-10-2002	
	AK	2003/008841	A1	Devos <i>et al.</i>	01-09-2003	
	AL	2003/028013	A1	Wang <i>et al.</i>	02-06-2003	
	AM	2003/0050229	A1	Sommadossi <i>et al.</i>	03-13-2003	
	AN	2003/0060400	A1	LaColla <i>et al.</i>	03-27-2003	
	AO	2003/0083307	A1	Devos <i>et al.</i>	05-01-2003	
	AP	2003/0087873	A1	Stuyver <i>et al.</i>	05-08-2003	

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		Office ³ Number	Kind Code ² (if known)					
	AQ	FR	1,521,076	A	Merck & Co. Inc.	04-12-1968		
	AR	FR	1,581,628	A	Merck & Co. Inc.	09-19-1969		
	AS	FR	2,662,165	A	Univ. Paris Curie	11-22-1991		
	AT	GB	1,163,103	A	Merck & Co. Inc.	09-04-1969		
	AU	GB	1,209,654	A	Merck & Co. Inc.	10-21-1970		
	AV	JP	63-215694	A	Yamasa Shoyu Co. Ltd.	09-08-1988		
	AW	JP	06-228186	A	Yamasa Shoyu Co. Ltd.	08-16-1994		
	AX	WO	98/16184	A2	ICN Pharmaceuticals	04-23-1998		
	AY	WO	99/43691	A1	Emory U.; U.Ga.R.F.	02-09-1999		
	AZ	WO	00/09531	A2	Novirio Pharm. (Idenix)	02-24-2000		
	AAA	WO	01/32153	A2	Biochem Pharma	05-10-2001		

Examiner Signature		Date Considered	3/29/05
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				Group Art Unit	1614
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Sheet	2	of	6	Attorney Docket Number	06171.105070 IDX 1006 DIV

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		Office ³	Number	Kind Code ² (if known)				
2	BA	WO	01/60315	A2	Biochem Pharma	08-23-2001		
	BB	WO	01/68663	A1	ICN Pharmaceuticals	09-20-2001		
	BC	WO	01/79246	A2	Pharmasset	10-25-2001		
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	BH	WO	02/03997	A1	ICN Pharmaceuticals	01-17-2002		
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	BJ	WO	02/32920	A2	Pharmasset	04-25-2002		
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	BQ	WO	03/026589	A2	Idenix; CNRS; U. Montp.	04-03-2003		
	BR	WO	03/026675	A1	Idenix; CNRS; U. Montp.	04-03-2003		
	BS	WO	03/051899	A1	Ribapharm	06-26-2003		
	BT	WO	03/061385	A1	Ribapharm	07-31-2003		
	BU	WO	03/061576	A2	Ribapharm	07-31-2003		
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	BW	WO	03/062256	A1	Ribapharm	07-31-2003		
	BX	WO	03/062257	A1	Ribapharm	07-31-2003		
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	BZ	WO	03/068162	A2	Pharmasset	08-21-2003		
	BAA	WO	03/072757	A2	Biota Inc.	09-04-2003		
✓	BAB	WO	03/093290	A2	Genelabs Technologies	11-13-2003		
2	BAC	WO	04/002422	A2	Idenix; Univ.D.S.Cagliari	01-08-2004		
	BAD	WO	04/002999	A2	Idenix; Univ.D.S.Cagliari	01-08-2004		

Examiner Signature		Date Considered	3/29/05
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
CA	CA	ALTMANN <i>et al.</i> , "The synthesis of 1'-methyl carbocyclic thymidine and its effect on nucleic acid duplex stability," <i>Synlett</i> , Thieme Verlag, Stuttgart, De, 10:853-855 (1994).	
CB	CB	BAGINSKI, S. G., <i>et al.</i> , "Mechanism of action of a pestivirus antiviral compound," <i>PNAS USA</i> , 97(14):7981-7986 (2000).	
CC	CC	BEIGELMAN, L.N., <i>et al.</i> , "Epimerization during the acetolysis of 3-O-acetyl-5-O-benzoyl-1,2-O-isopropylidene-3-C-methyl- α ,D-ribofuranose. Synthesis of 3'-C-methylnucleosides with the β -D-ribo- and α -D-arabino configurations," <i>Carbohydrate Research</i> , 181:77-88 (1988).	
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CE	CE	BERENGUER, M., <i>et al.</i> , "Hepatitis B and C viruses: Molecular identification and targeted antiviral therapies," <i>Proceedings of the Association of American Physicians</i> , 110(2), 98-112 (1998).	
CF	CF	CARROLL, S.S., <i>et al.</i> , "Inhibition of hepatitis C virus RNA replication by 2'-modified nucleoside analogs," <i>The Journal of Biological Chemistry</i> , 278(14):11979-11984 (2003).	
CG	CG	CZERNECKI, S., <i>et al.</i> , "Synthesis of various 3'-branched 2',3'-unsaturated pyrimidine nucleosides as potential anti-HIV agents," <i>J. Org. Chem.</i> , 57:7325-7328 (1992).	
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CI	CI	FAIVRE-BUET, V., <i>et al.</i> , "Synthesis of 1'-deoxy-psicofuranosyl-deoxynucleosides as potential anti-HIV agents," <i>Nucleosides & Nucleotides</i> , 11(7):1411-1424 (1992).	
CJ	CJ	FARKAS, J., <i>et al.</i> , "Nucleic acid components and their analogues. XCIV. Synthesis of 6-amino-9-(1-deoxy- β -D-psicofuranosyl)purine," <i>Collect. Czech. Chem. Commun.</i> 32:2663-2667 (1967).	
CK	CK	FARKAS, J., <i>et al.</i> , "Nucleic acid components and their analogues. LXXIX. Synthesis of methyl 1-deoxy-D-psicofuranosides substituted at C ₍₁₎ with halo atoms or a mercapto group," <i>Collect. Czech. Chem. Commun.</i> , 31:1535-1543 (1996).	
CL	CL	FEDOROV, I.I., <i>et al.</i> , "3'-C-Branched 2'-deoxy-5-methyluridines: Synthesis, enzyme inhibition, and antiviral properties," <i>J. Med. Chem.</i> , 35(24):4567-4575 (1992).	
CM	CM	FRANCHETTI, P., <i>et al.</i> , "2'-C-Methyl analogues of selective adenosine receptor agonists: synthesis and binding studies," <i>J. Med. Chem.</i> , 41(10):1708-1715 (1998).	
CN	CN	GROUILLER, A., <i>et al.</i> , "Novel <i>p</i> -toluenesulfonylation and thionocarbonylation of unprotected thymine nucleosides," <i>Synlett</i> , 1993, 221-222 (March 1993).	
CO	CO	HARAGUCHI, K., <i>et al.</i> , "Preparation and reactions of 2'- and 3'- vinyl bromides of uracil nucleosides: Versatile synthons for anti-HIV agents," <i>Tetrahedron Letters</i> , 32(28):3391-3394 (1991).	

Examiner Signature		Date Considered	3/27/05
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Sheet	4	of	6	Attorney Docket Number	06171.105070 IDX 1006 DIV

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
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				Filing Date	June 20, 2003
				First Named Inventor	Sommadossi <i>et al.</i>
				Group Art Unit	1614
				Examiner Name	Unassigned
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h	EA	MATSUDA, A., <i>et al.</i> , "Nucleosides and Nucleotides. 94. Radical deoxygenation of <i>tert</i> -alcohols in 1-(2-C-alkylpentofuranosyl)pyrimidines: Synthesis of (2'S)-2'-deoxy-2'-C-methylcytidine, an antileukemic nucleoside," <i>J. Med. Chem.</i> , 34:234-239 (1991).		
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(12)	FA	SAMANO, V., <i>et al.</i> , "Nucleic acid related compounds. 77. 2',3'-Didehydro-2',3'-dideoxy-2' (and 3')-methyl nucleosides via [3,3]-sigmatropic rearrangements of 2' (and 3')-methylene-3' (and 2')-O-thiocarbonyl derivatives and radical reduction of a 2'-chloro-3'-methylene analogue," <i>Can. J. Chem.</i> , 71:186-191 (1993).		
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